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Elliott

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(54) **HANDHELD CONTROL UNIT FOR
AUTOMOTIVE LIFT**

(56) **References Cited**

U.S. PATENT DOCUMENTS

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2,979,581 A * 4/1961 Ballou H01H 9/0214
200/42, 12

4,531,614 A * 7/1985 Naegeli B66F 7/04
187/208

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(Continued)

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FOREIGN PATENT DOCUMENTS

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EP	1 655 593 A2	5/2006
EP	2 316 778	5/2011

(Continued)

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OTHER PUBLICATIONS

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ABSTRACT

An apparatus for operating a vehicle lift comprises at least one lifting assembly, a control unit, and a control pendant. The control pendant is configured to remotely control the motion of the vehicle lift through the control unit. The control pendant is configured to permit the lifting of a vehicle by the push of a single button on the control pendant. To permit lifting of a vehicle with a single button, the control pendant comprises a menu screen and a plurality of menu buttons. The menu screen and the plurality of menu buttons may be used together by a user to select one vehicle profile of a plurality of vehicle profiles. The selected vehicle profile may correspond to the vehicle being lifted. The selected vehicle profile provides specific data with respect to how the at least one lifting assembly should be moved for the particular vehicle being lifted.

14 Claims, 10 Drawing Sheets

